

FIG. 1

The diagram illustrates a system architecture with the following components and interactions:

- Request Processing (21)**: The central component that handles requests and responses.
- Content Cache (26)**: A database that stores content, connected to the Request Processing component.
- Network (27)**: A communication channel connected to the Request Processing component and the Drivers component.
- Drivers (30)**: A component that interacts with the Network and the Request Processing component.
- Rule Engine (22)**: A component that interacts with the Request Processing component and the Rule Evaluator.
- Hierarchy Data (29)**: A database that stores hierarchy data, connected to the Rule Engine and the Rule Evaluator.
- Rule Evaluator (23)**: A component that interacts with the Rule Engine and the Rule Encoder.
- Rule Encoder (25)**: A component that interacts with the Rule Evaluator and the Rules database.
- Rules (28)**: A database that stores rules, connected to the Rule Encoder and the User Interface.
- User Interface (24)**: A component that interacts with the Rules database and the Request Processing component.
- To/From Client**: A label for the communication between the Request Processing component and the Client.
- To/From Origin Server**: A label for the communication between the Request Processing component and the Origin Server.
- To/From User**: A label for the communication between the User Interface and the User.

```
graph TD
    1((1)) -- Request --> 21[Request Processing]
    21 -- Response --> 1
    21 -- Request --> 26[(Content Cache)]
    26 -- Response --> 21
    21 -- Request --> 27[Network]
    27 -- Response --> 21
    21 -- Request --> 30[Drivers]
    30 -- Response --> 21
    21 <--> 20[Rule Engine]
    20 <--> 22[Rule Engine]
    22 <--> 29[(Hierarchy Data)]
    29 <--> 23[Rule Evaluator]
    23 <--> 25[Rule Encoder]
    25 <--> 28[(Rules)]
    28 <--> 24[User Interface]
    24 -- Request --> 21
    21 -- Response --> 24
    21 -- Request --> 20
    20 -- Response --> 21
```

FIG. 2

REPLACEMENT SHEET

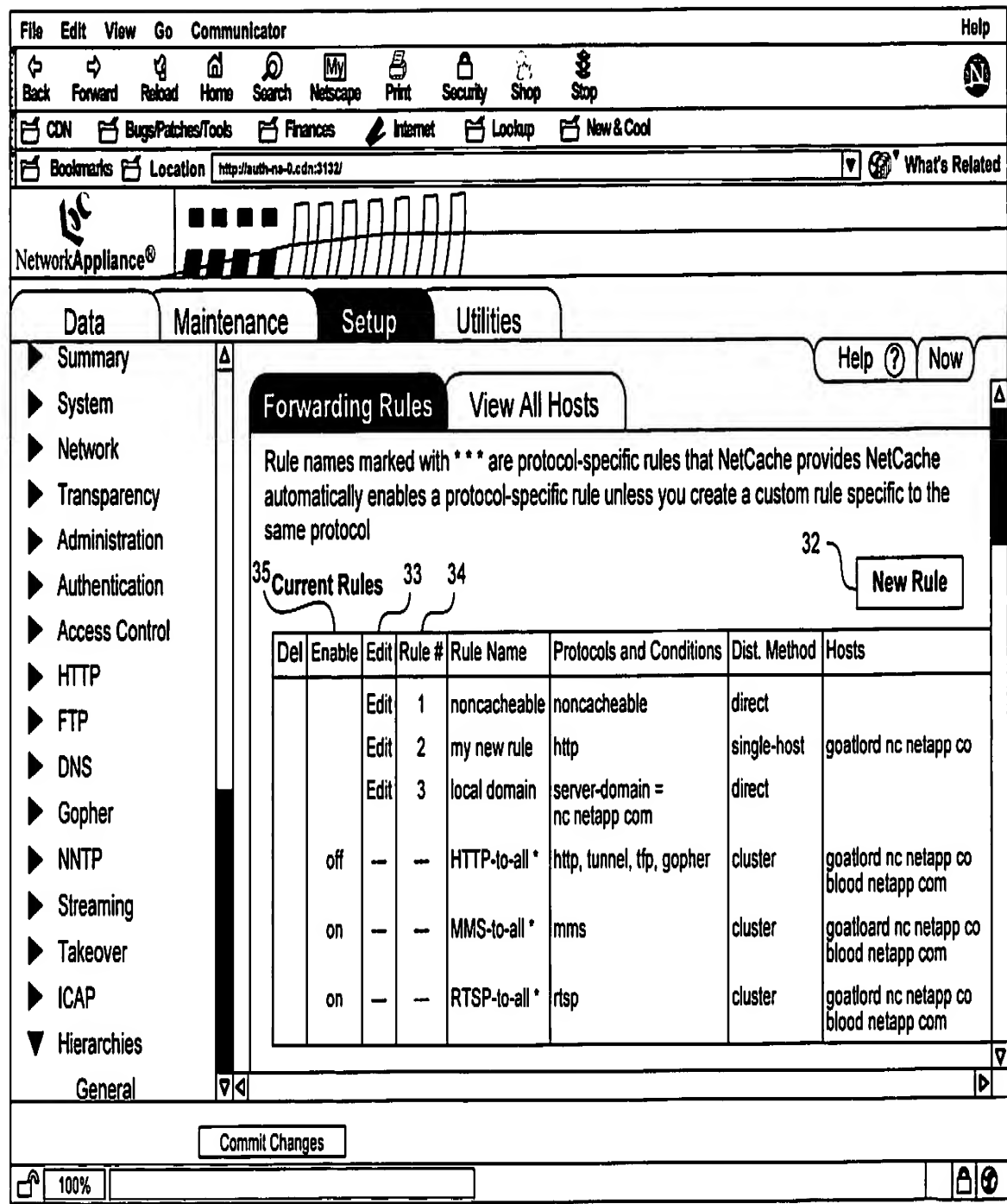


FIG. 3A

REPLACEMENT SHEET

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

CDN Bugs/Patches/Tools Finances Internet Lookup New & Cool

Bookmarks Location http://16.53.44.39:3132/ What's Related

NetworkAppliance®

NetCache Host: conch.nc.netapp.com:3132

pp Release/rv/dremel2/rise10/netcache/nightfly/RhummerN_011008_0200

Data

- ▶ Summary
- ▶ System
- ▶ Network
- ▶ Transparency
- ▶ Administration
- ▶ Authentication
- ▶ Access Control
- ▶ HTTP
- ▶ FTP
- ▶ DNS
- ▶ Gopher
- ▶ NNTP
- ▶ Streaming
- ▶ Takeover
- ▶ ICAP
- ▼ Hierarchies
 - General
 - Firewall
 - Parents
 - Neighbors
 - Forwarding Rules
 - ICP
- ▶ ContentDirector
- ▶ GRM Agent

Maintenance

Setup

Utilities

NetCache Host: conch.nc.netapp.com:3132

pp Release/rv/dremel2/rise10/netcache/nightfly/RhummerN_011008_0200

Server Time Stamp: Tue 09 Oct 2001 03:17:01 PM PDT

Edit Forwarding Rule ?

Edit the forwarding rule definition. Click Commit Changes to save the settings

Forwarding Rule Definition

Rule #

2

?

Rule Name

my new rule

?

Rule Enable

☐

?

Protocols

☐ HTTP ☐ Gopher ☐ FTP
☐ Tunnel ☐ MMS ☐ RTSP

?

Conditions

☒ None
☐ Noncacheable
☐ Phrase

?

Server Host Name

equals

www.yahoo.com|

36

37

38

www.yahoo.com|

▼

▲

Format One entry per line

?

FIG. 3B

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

CDN Bugs/Patches/Tools Finances Internet Lookup Now & Cool

Bookmarks Location What's Related

NetworkAppliance®

Data Maintenance Setup Utilities

NetCache Host: conch.nc.netapp.com:3132
Version: NetApp Release 5.2.1X4

Help ? Now

Server Host Name

Format: One entry per line

Distribution Method:

☐ Direct

☒ Single Host:

☐ Firewall Cluster:

☐ Parent Cluster:

☐ goatlord.nc.netapp.com

☐ blood.netapp.com

☐ ICP:

☐ goatlord.nc.netapp.com

☐ blood.netapp.com

FTP

DNS

Gopher

NNTP

Streaming

Takeover

ICAP

Hierarchies

General

Firewalls

Patents

Neighbors

● Forwarding Rules

ICP

ContentDirector

GRM Agent

GRM Server

FIG. 3C

REPLACEMENT SHEET

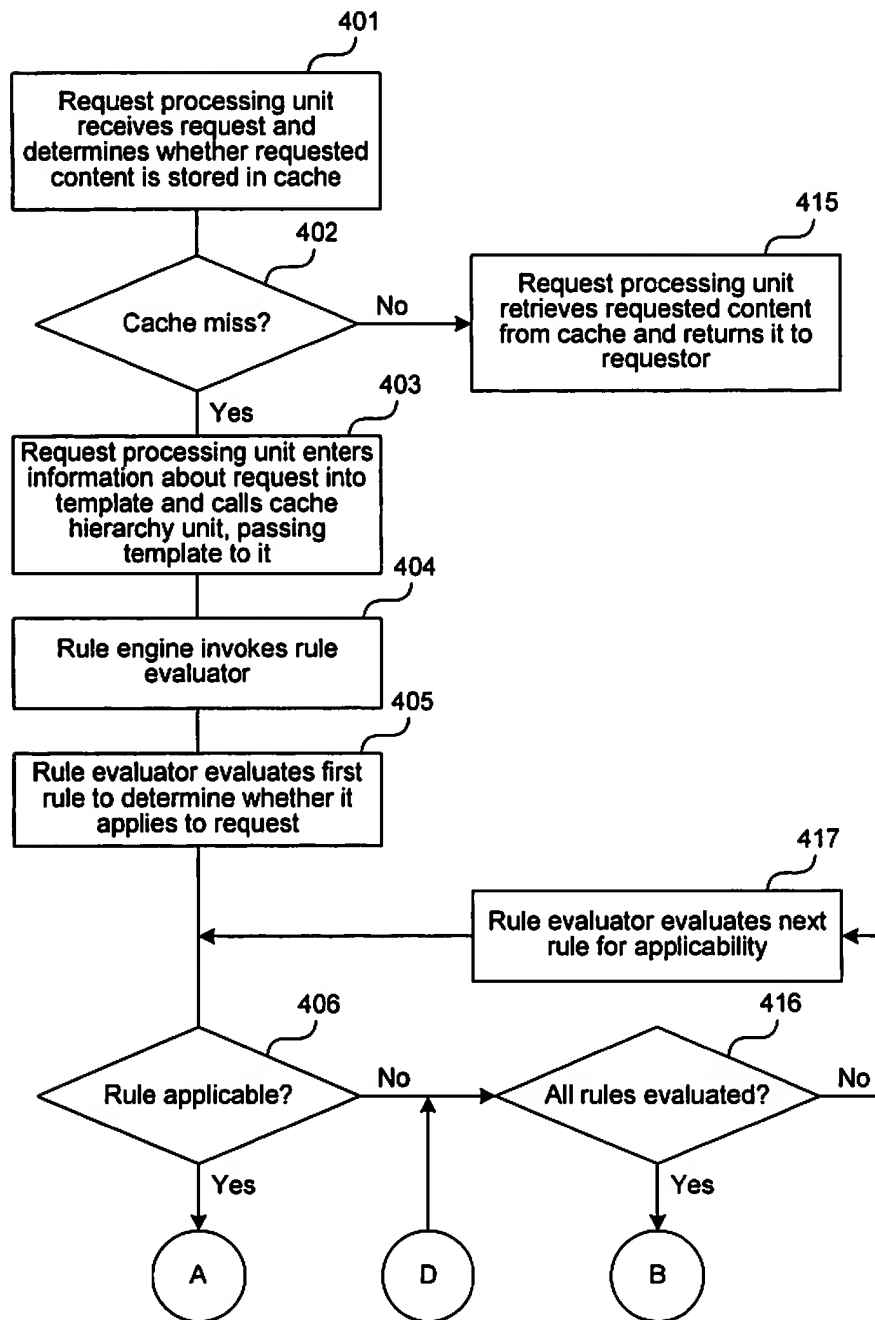


FIG. 4A

REPLACEMENT SHEET

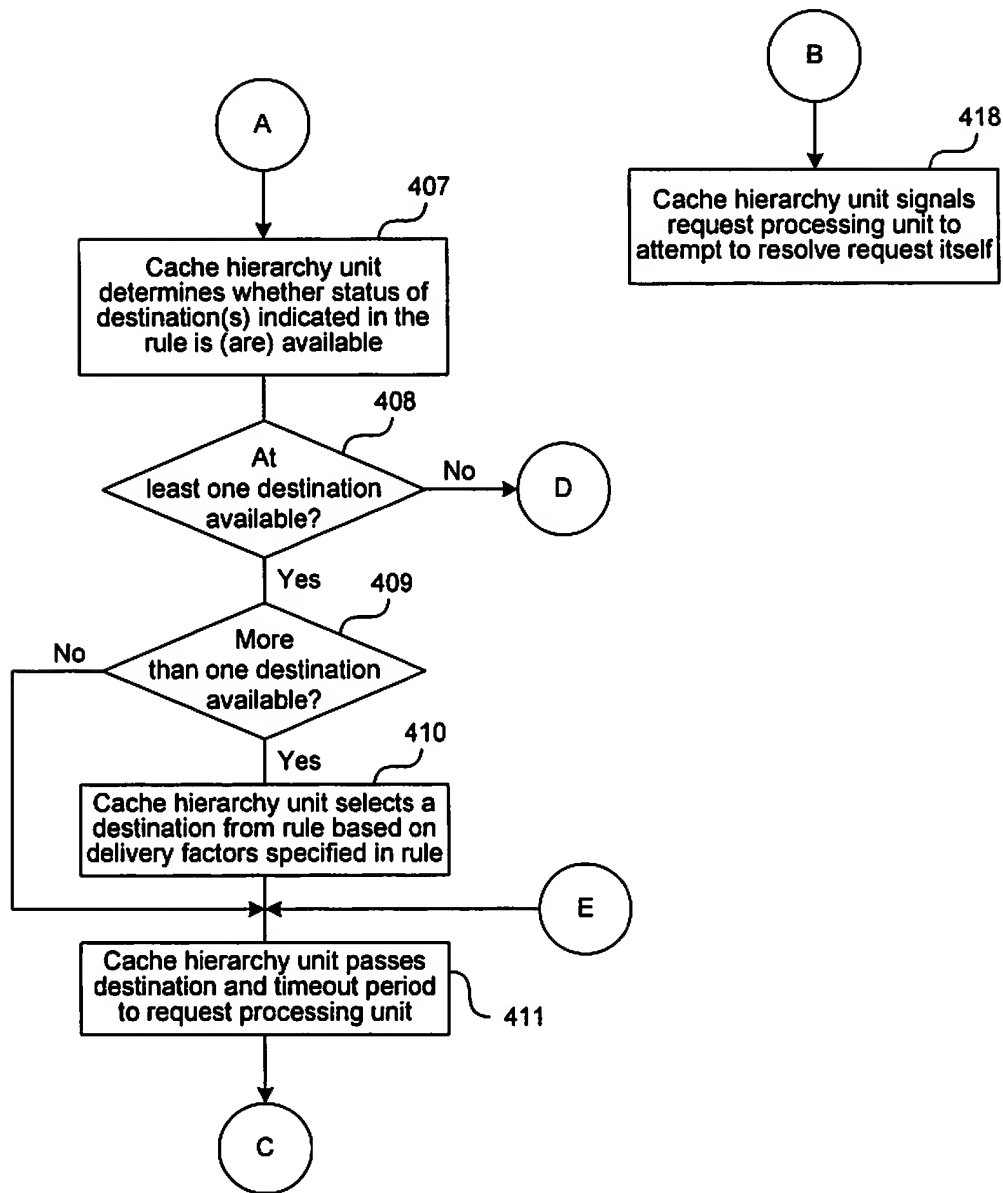


FIG. 4B

REPLACEMENT SHEET

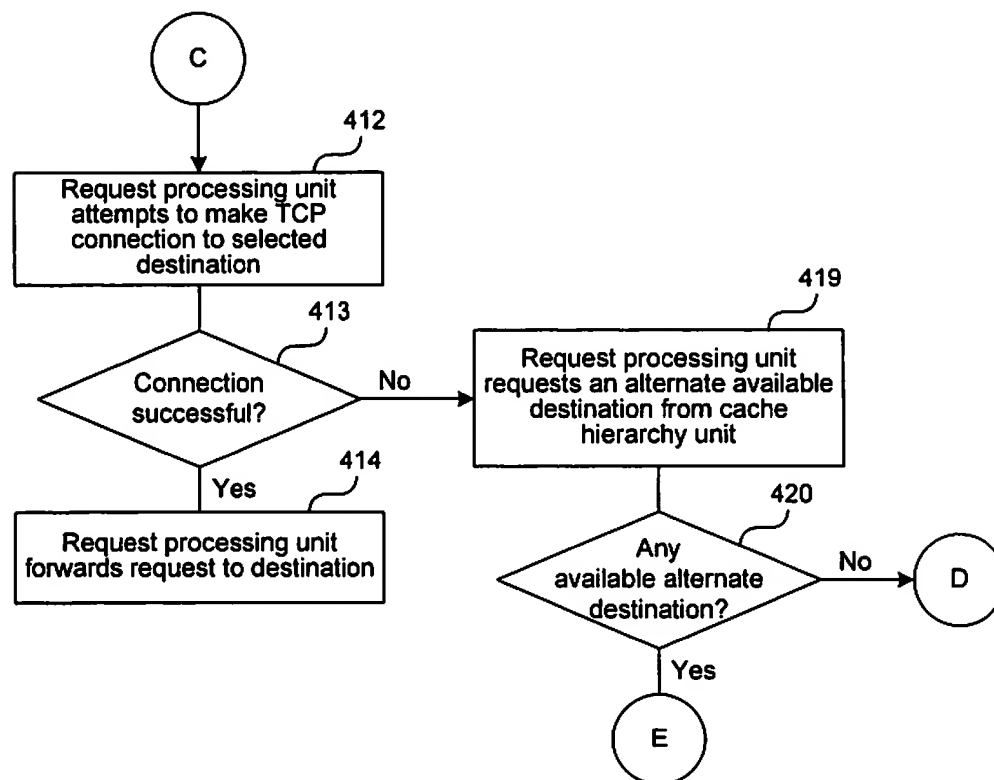


FIG. 4C

REPLACEMENT SHEET

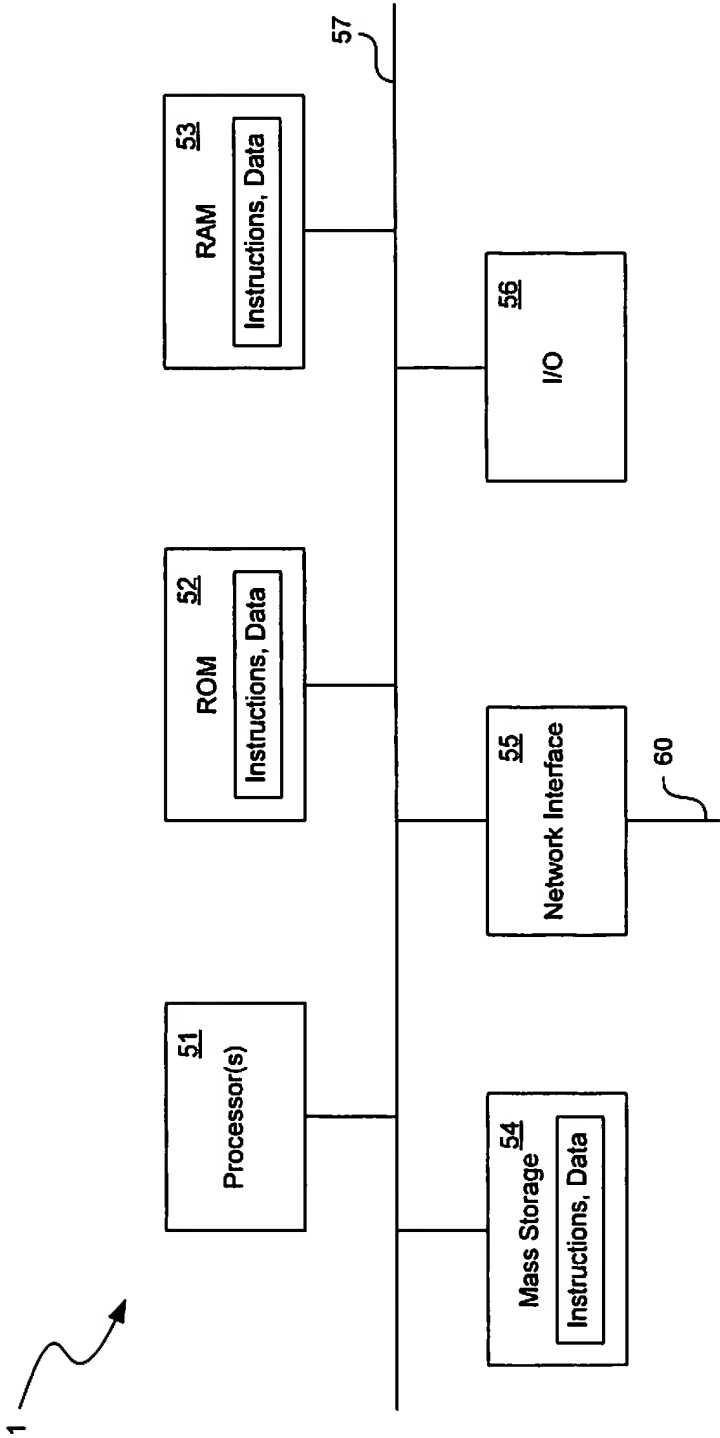


FIG. 5